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VANCOUVER, B.C.

**Geological, Geophysical and Geochemical Report**

-- on the --

**J&J and JJ Claims**

-- located --

**NTS: 82E, map sheet 3 east**

**Geographic Coords: JJ Claims 119 02W, 49 08N**

**J&J Claims 119 14W, 49 04N**

**Work Completed: August 8, 1999 to September 13, 2000**

**Prepared by:**

**John R. Kerr, P. Eng.**

**#1702 - 438 Seymour Street**

**Vancouver, B.C. V6B 6H4**

**MINERALOGICAL SURVEY BRANCH**  
**MINISTERIAL REPORT**

**September 13, 2000**

**26,326**

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### **List of Maps:**

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(a - gold, b - copper, c - silver)
- Figure 8 - J & J Claims, Magnetometer Survey Plan, 1:5,000

### **Appendices:**

- Appendix A - Cost Statement
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- Appendix C - Magnetic Readings (not on maps) - J&J claims
- Appendix D - Writer's Certificate

# PROGRAM PROPOSAL - PART B

## Location of Proposed Project(s)

Indicate on this map (using an "X") the general location of each of the projects covered by this proposal.

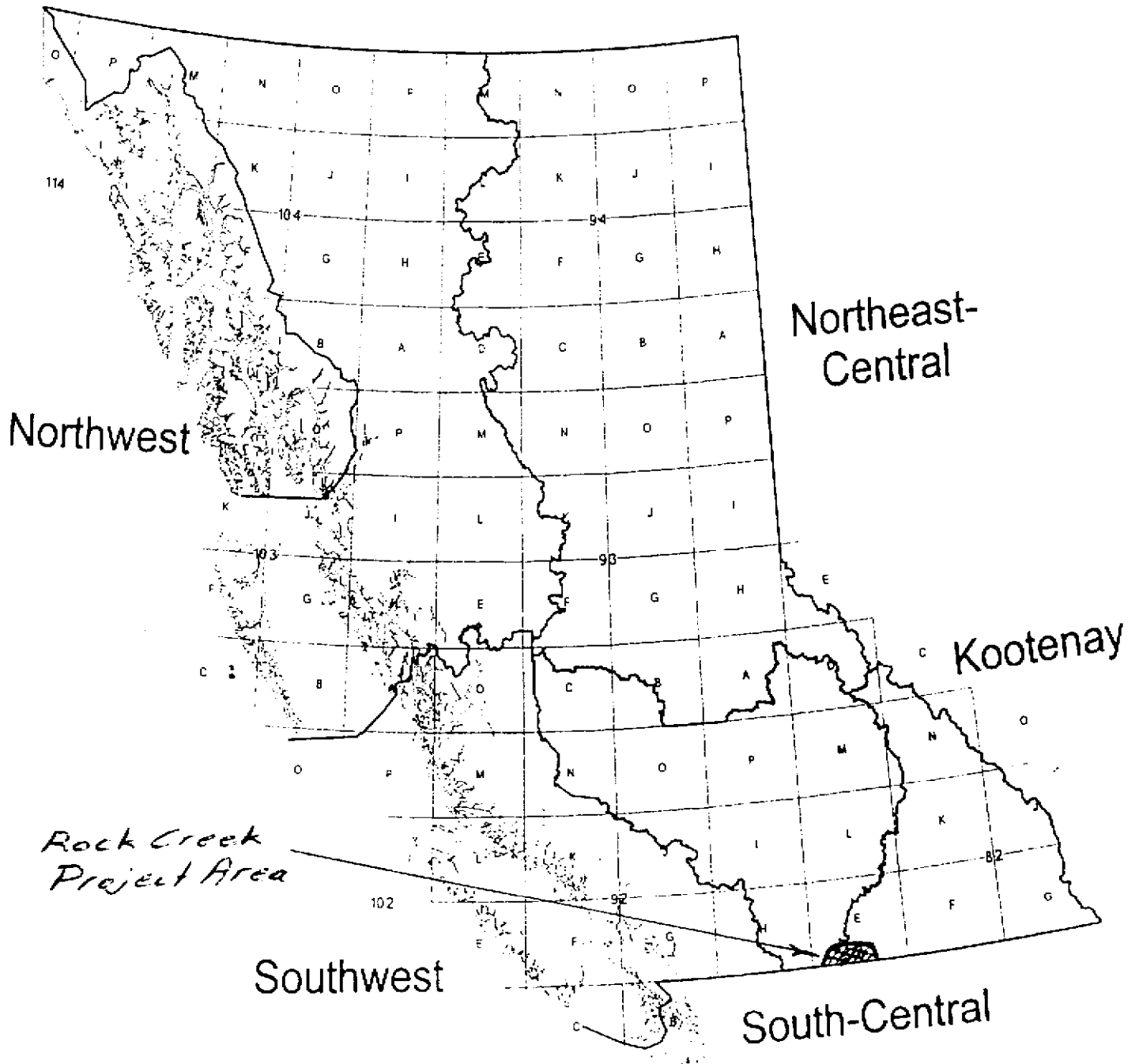


Figure 1

## **INTRODUCTION**

### **Rock Creek Project**

The Rock Creek area of British Columbia has been the subject of mineral exploration since placer deposits of gold were discovered on Rock Creek in the mid nineteenth century. Some of these placers were traced to the Camp McKinney and Dalton vein gold deposits in the early twentieth century and the subject of mining in the 1920/30s. Although the area has continuously been explored for a variety of commodities, significant gold interest did not occur until the Crown Jewel skarn gold deposit was recognized in the state of Washington (4 km south of the border) in the early 1990s. This deposit was developed by Battle Mountain Gold Mines Ltd., who have announced 8.8 million tons grading 0.17 opt gold. An open pit mine is proposed, however has been delayed due to permitting procedures.

The writer has been continuously involved in the area since 1992. Several other companies were also engaged in looking for Crown Jewel type of deposits in the early to mid 1990s. As a result, the Ket 28 and KPJ zones were identified just north of Crown Jewel on the Canadian side of the border. The writer embarked on a prospecting venture in 1999 looking for indications of similar deposits. With limited government assistance and relatively exclusive access to a detailed aeromagnetic survey, a 700 sq km area of the favourable Anarchist volcanics was delineated for exploration. The program initially consisted of regional silt sampling all areas of delineated airborne magnetic anomalies, followed-up with recce ground magnetics and soil sampling.

Two targets were identified for claim acquisition and were the subject of 25 km of gridwork and detailed geophysics, geochemistry and prospecting. The JJ 1 - 5 claims were located to cover a skarn environment with significant magnetic and geochemical signatures. A newly discovered showing contains economic values of both silver and gold. The J&J 1 - 8 claims were located to cover strata bound magnetic zones with anomalous contents of gold in soil.

The details of all of the 1999 work program on each property is summarized in this report.



**Claim Data, Location and Access:**

**JJ #1 - 5 Claims:** The JJ #1 - 5 claims are located on the Conkle Lake/Johnstone Creek road, 12 - 13 kilometers due north of the junction with Highway #3. Claims data are as follows:

<u>Claim Name</u>	<u>No. Units</u>	<u>Type</u>	<u>Tenure No.</u>	<u>Location Date</u>
JJ #1	one	two-post	370293	July 9, 1999
JJ #2	one	two-post	370294	July 9, 1999
JJ #3	one	two-post	370295	July 9, 1999
JJ #4	one	two-post	370296	July 9, 1999
JJ #5	one	two-post	372791	October 20, 1999

All claims are recorded in the name of John R. Kerr, and are located in NTS 82E/3E, Greenwood Mining Division.

Good road access is possible to the claim area via the Conkle Lake road. Topography is moderately steep, rolling hill terrain, typical of the interior plateau area. Vegetation consists of timbered area, dominantly tamarack trees, with fir, balsam, jackpine and cedar. Underbrush is sparse. Outcrop areas are quite abundant, and form locally steep bluff areas.

**J&J #1 - 8 Claims:** The J&J claims are located on a small northerly flowing tributary of the west fork of McKinney Creek, approximately 6 km north of Highway #3. Access is best gained along the Wagonwheel Road, leaving highway #3 25 km east of Osoyoos and travelling 6 - 7 km north to the claims along a well-maintained farm road. Claim data are as follows:

Claim Names - J & J #1 - 8  
 Tenure Numbers - 371033 to 371040  
 Location Date - August 7, 1999

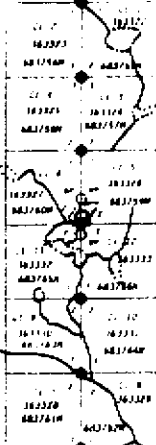
All claims are two-post styles of claims, recorded in the name of John R. Kerr, and are located in the Greenwood Mining Division (NTS 82E/3E).

Topography is similar to the JJ claims, in that outcrop areas provide steep, bluff terrain in a general rolling hill environment of the interior plateau. Elevations range 1200 to 1350 meters asl on the property. Vegetation is forest cover of dominantly tamarack, with fir, balsam, hemlock, and pine present. The claim area has been subjected to selective and clear-cut logging. Most of the property falls on deeded land of L1881s and L2769s.

Conkle Cr.

CONKLE  
LAKE  
PARK

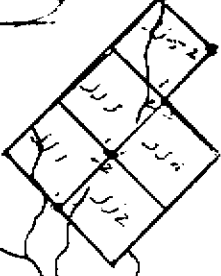
Conkle Lake



CB  
L2110

50 Pr...

Figure 3  
150,000  
82E/30



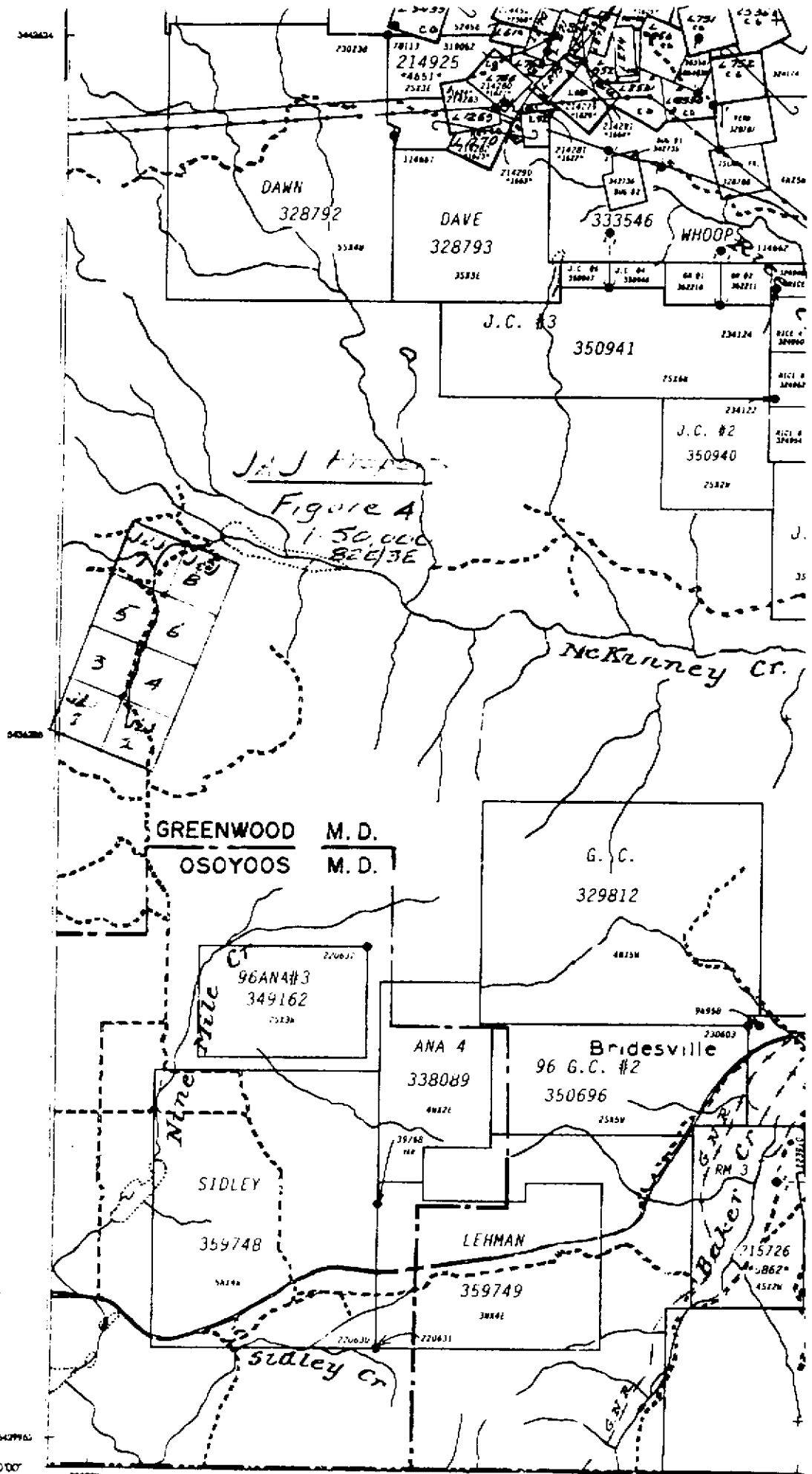
James I

James Cr

L  
2448

Hulme Cr





J.J. Hays  
 Figure 4  
 1:50,000  
 826/3E

GREENWOOD M.D.  
 OSOYOOS M.D.

9-00'00"  
 119-15'00"



### **History of Work:**

Historical work in the area dates to the nineteenth century as the result of discovery of placer gold in Rock Creek. Tracing these placers led to the discovery of vein gold at Camp McKinney and Dalton areas and subsequent production in the early 1900s. With the exception of extensive prospecting, limited work in the area of the claims was completed until the discovery of the Crown Jewel skarn gold deposit in the State of Washington in the late 1980s. Significant regional exploration was completed by Crown Resources, including a detailed airborne magnetic survey, which resulted in the discovery of the Ket 28 gold showing in 1992.

With the exception of an old test pit located on the J&J 8 claim, there is no evidence of historical work having been completed on any of the staked ground. In 1994, Canim Lake Gold Corp. held the southern portion of the J&J claims, completing limited magnetic and geochemical surveys. There is no documented work completed on the JJ claims, and the mineral showings are believed to be new discoveries.

### **1999 Work Program:**

The 1999 work programs on the properties were completed in two phases. The initial program was completed during the period August 8 - 15 and the second program was completed during the period October 13 - 20. Grids were established on both properties utilizing the claim location line as a base line, with line spacing at 100 meters. Stations were established by compass and hip-chain methods at 50 meter intervals along all lines. On the JJ claims 1 km of baseline and 8.5 km of crosslines were established. On the J&J claims 2 km of baseline and 6.7 km of crosslines were established.

A magnetometer survey was completed along all lines on both claim groups, readings taken at 25 meter intervals. An Omnimag PPM-350 magnetometer was used for the survey, which provides readings of total magnetic intensity at each station. Readings were recorded manually in notebooks, and later plotted on appropriate 1:5000 scale plans of each property. 50,000 gammas were subtracted from the plotted values, as shown on Figures 5 and 8, and appropriately contoured at 1000 gamma intervals. There were no diurnal or other corrections applied to the readings, as only coarse variations in magnetic intensity were considered of significance for the purpose of this survey.

During the August phase of work, when an assistant was available, lines were established concurrently with taking magnetic readings. During the October phase, lines were established prior to taking magnetic readings.

The magnetometer readings on the southernmost lines of the J&J claims are not plotted on maps, the results showing little variance in magnetic intensity. The individual readings for these lines are appended to this report.

Very limited soil samples were collected from each property. 50 soils were selectively collected from Lines 4, 5, and 6N on the JJ claims and 15 soil samples were collected over magnetic highs on the J&J claims. Samples were collected from the B horizon of shallow pits 5 - 20 cm deep, and up to 0.5 kg were placed in brown kraft, gusseted envelopes, marked with appropriate grid coordinates. Samples were shipped to the laboratories of Bondar-Clegg in North Vancouver, B.C. for gold plus 34 element ICP analysis. Laboratory methods and results of sampling are appended to this reports. Only the results of gold, copper and silver were plotted on 1:5000 scale maps of the JJ claims (Figures 7 a, b, and c).

To eliminate the possibility that gold contamination from a ring affected soils collected on the J&J claims, four locations were resampled and analyzed for gold only. Results indicated similar gold contents.

All outcrop areas within gridded areas were tied into grid coordinates, geologically mapped and prospected for evidence of mineralization. Only an outcrop plan for the JJ claims is presented with this report. In addition, ten rock chip samples were collected from outcrop from both properties and analyzed for gold plus 34 element ICP analysis.

## **GEOLOGY and MINERALIZATION**

Rocks underlying both properties are dominantly intermediate volcanic rocks of the Permian Anarchist Group. In most outcrops observed, the volcanic rock would be classified as andesite. On the JJ claims a two to three hundred meter diameter granodiorite stock has been identified from outcrop and interpreted from magnetics. This rock is a porphyritic, light grey coloured, medium to coarse grained intrusive rock with abundant phenocrysts of plagioclase. Quartz is present up to 15% content, with mafics dominantly hornblende and very low content.

The significance of the JJ claim area was first recognized as a large gossan zone in a road cut with anomalous values of gold, copper and silver. Further prospecting of the area revealed two mineralized shear zones to the north and south of the gossan. The shear zones are oriented at 050 degrees, dipping 60 - 90 degrees to the southeast. A chip sample across the main discovery shear (0.15 meters wide) located on the baseline at 5+00N assayed 295 ppm silver, 865 ppb gold, 3710 ppm lead, 4974 ppm zinc, and 208 ppm copper. A chip sample across a 0.10 meter width of the second shear found 200 meters north of L 10+00N assayed 497 ppm copper, 58 ppb gold and 1.3 ppm silver.

Prospecting outcrop areas around the periphery of the granodiorite stock and associated magnetic anomaly indicated thermally altered volcanic rocks with accompanying secondary magnetite. Although skarn mineralization was not identified, thermal alteration is such that if limey sedimentary horizons are present within the thermal aureole, skarn mineralization would develop. The presence of mineralized shear zones associated with this contact area indicates that there would be a high probability that these skarns would contain economic mineralization.

Outcrops examined on the J&J claims indicate moderate alteration of chlorite, carbonate and epidote. No limey strata was observed that could be classified as a potential skarn horizon. Rock outcrops over areas of strong magnetic response were examined in detail. Magnetite was found to be a constituent of the rock in most areas of magnetic anomalies. It is believed that magnetite mineralization is secondary. Interpretation of the magnetic survey indicates the magnetite lineations probably related to geological strata. With the exception of anomalous gold in soil, there is no evidence found to date of economic contents of mineralization.

A large granodiorite batholith, related to the Nelson plutonic complex, is located at the extreme north end of the J&J claims. This contact would be an ideal setting for skarn mineralization in limey horizons of the Anarchist Group of rocks.

### MAGNETOMETER SURVEY

Results of the magnetometer survey on each property were very contrasting. On the JJ claims, a donut shaped magnetic high was interpreted, with inside diameter ranging 200 - 300 meters and outside diameter approximating 500 meters. The high values ranged up to 5,000 gammas above background. The central portion of the donut is interpreted as a magnetic low, with values ranging up to 1500 gammas below background. A granodiorite stock has been identified in outcrop within the confines of the magnetic low, and is believed to be the cause. Secondary magnetite has been identified along the contact and within the thermal alteration halo of the stock, and is the cause of the magnetic high anomalies.

On the J&J claims, the interpreted magnetic anomalies are long lineal zones believed parallel to bedding of the volcanic strata. Two lineal and parallel magnetic highs and one magnetic low has been interpreted over a strike length of 800 - 1000 meters. The anomalies are definitely open in a northerly direction. Strike is N-S, and the positioning of the parallel low anomaly is suggestive of a steep easterly dipping strata.

## **GEOCHEMISTRY**

The 50 soil samples collected on the JJ claims and the 15 soil samples collected on the J&J claims is insufficient data to derive definitive conclusions regarding geochemical thresholds, background, and definitely anomalous values. Gold in the Rock Creek area is known to be geochemically inactive, and at the Crown Jewel deposit in Washington, geologists describe gold exceeding 20 ppb in soil is anomalous and gold exceeding 50 ppb in soil is definitely of interest. Gold contents in soil immediately above the known deposit seldomly exceed 100 ppb.

Relating this information to the JJ claim soil values, the 55 and 97 ppb gold content in soils in the gossan area is definitely of interest. The values of 25 ppb gold in other areas of the magnetic anomaly are probably anomalous. Copper and silver values in soil are sympathetic to the gold values and should be regarded as having geochemical significance.. Further detailed soil sampling is required on this property.

The highest value of gold in soil on the J&J property is 33 ppb. Although low, this does indicate a gold enrichment associated with the magnetic anomaly, and further soil sampling is required to determine if this gold content enriches along strike.

## **CONCLUSIONS and RECOMMENDATIONS**

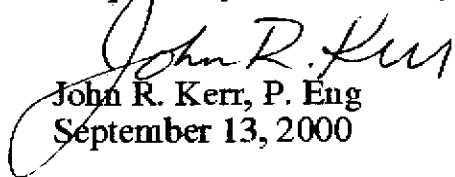
The success of the 1999 prospecting program was probably at a higher level than originally anticipated. The JJ claims are obviously the signature property, offering the potential and model for a multi-element skarn deposit. A felsic intrusive stock or sill has been identified, associated with a magnetic low. The contact area of the stock forms a donut shaped magnetic high, which is represented by secondary magnetite. Although typical skarn mineralization nor a limey sedimentary unit have not been identified, there is every reason to suspect that this type of lithology could exist. Two showing areas have been identified on the periphery of the magnetic highs, one yielding economic contents of silver and gold, with anomalous contents of lead and zinc. The limited soil sampling completed to date indicates a distribution of anomalous metal contents. Further exploration is warranted on this property.

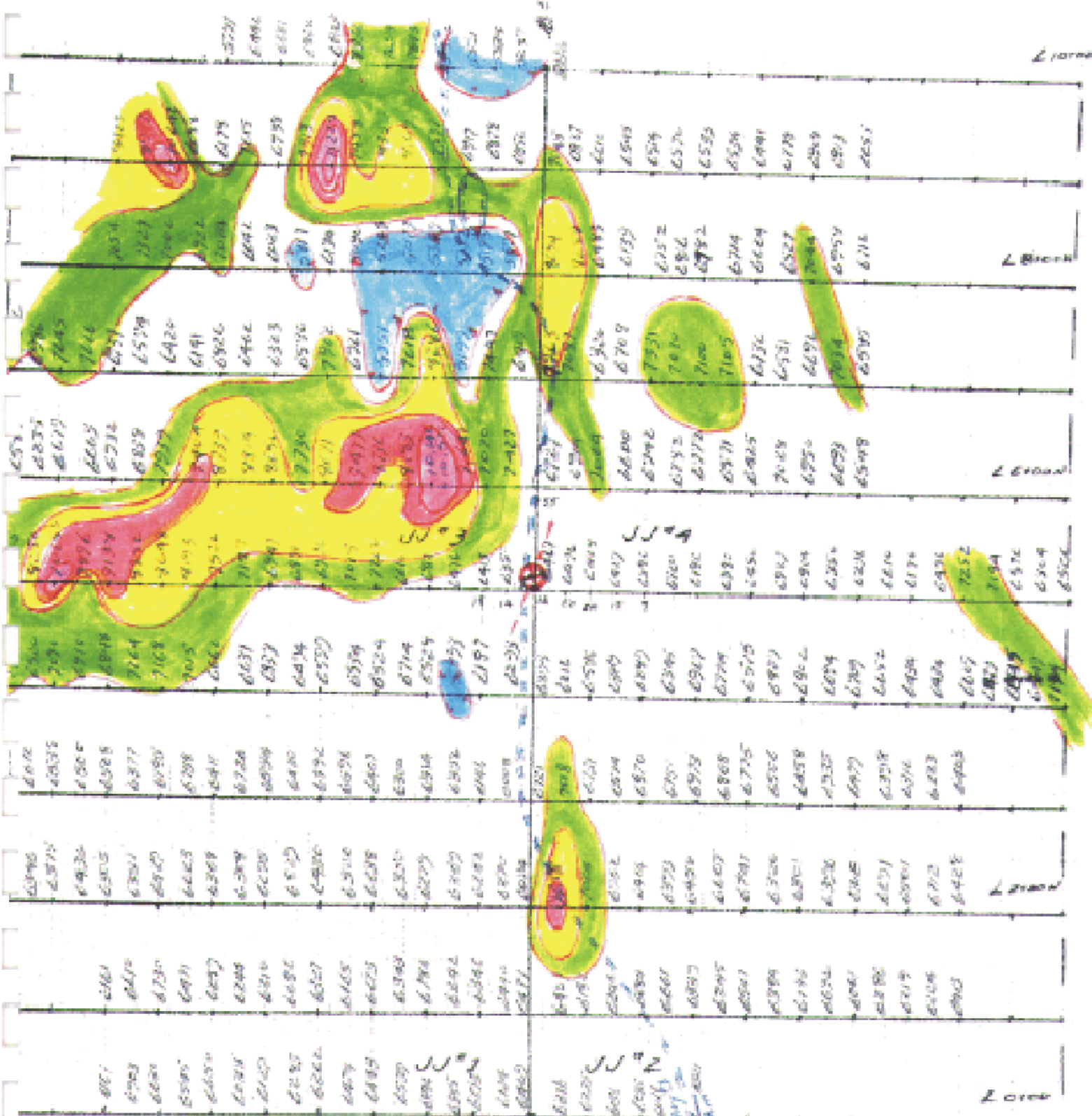
The J&J claims are of less significance at this stage of exploration - however do support a strata controlled magnetic anomaly with associated (weak) gold values. This has similar characteristics to the crown Jewel deposit in Washington. Further geochemistry is required to study the validity of this property.

Further exploration is recommended on the two subject properties. The main objective of the next phase of exploration would be to:

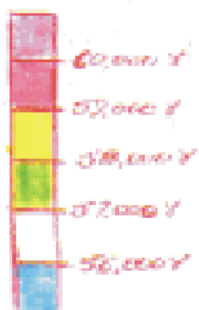
- 1) Collect detailed soil samples over portions of the grid areas of each property that have magnetic anomalies to establish a gold, copper, silver, lead, and zinc relationship to the prospective areas.
- 2) Detailed prospecting and geological mapping of these prospective areas.
- 3) On the J&I claims, extend the grid area to the north to cover the intrusive contact of the Nelson plutonic complex.

Respectfully Submitted By:

  
John R. Kerr, P. Eng  
September 13, 2000



to Magnetic field



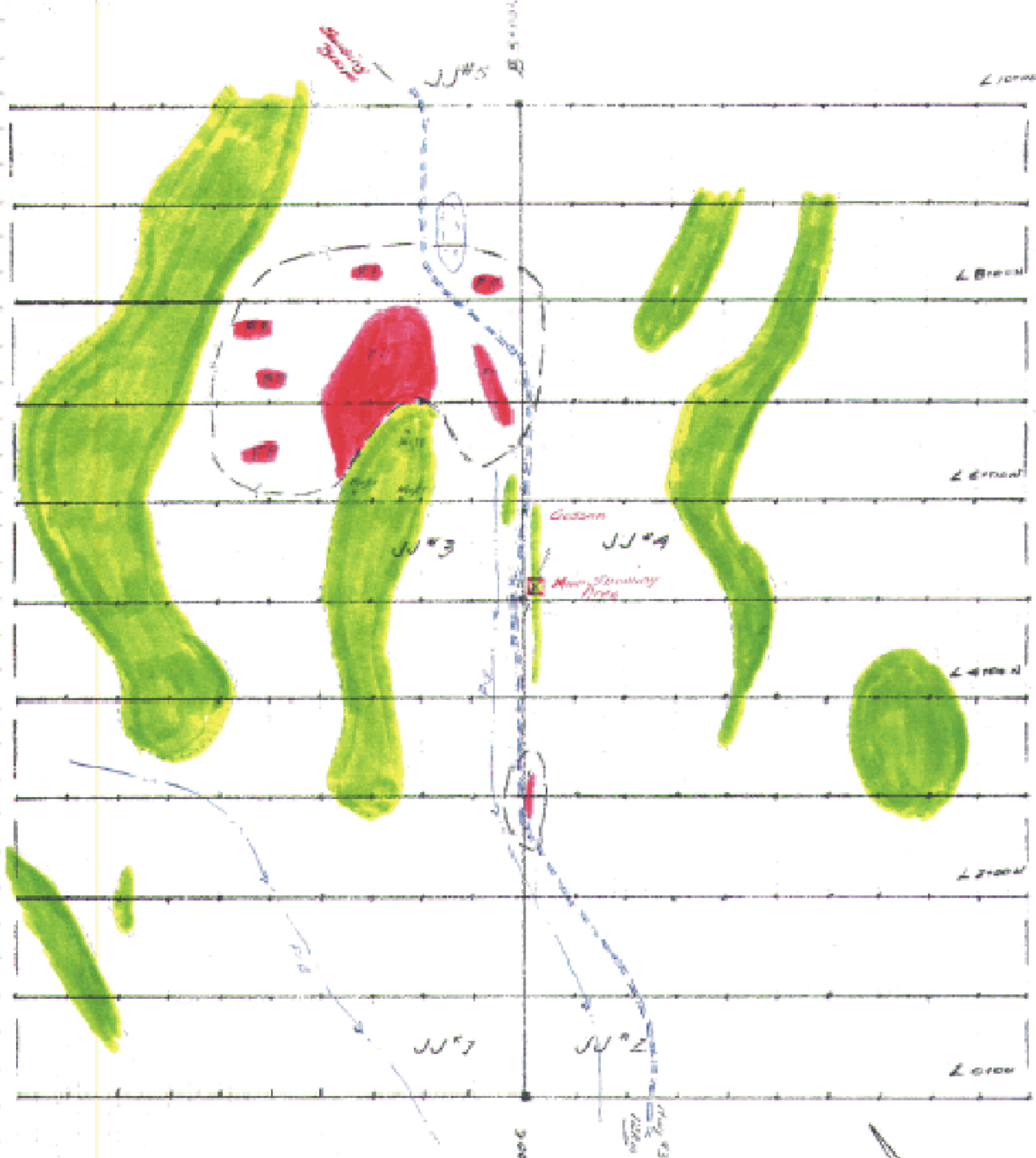
JJ Claims  
John R Kerr  
115000

⊗ Trailing wire  
water to N. boundary - 30 ft. side  
with a 15m bar.

⊗ 2000 Magnetic Rly (has ground)

⊗ Access Rd.

Magnetic Plan  
Figure 3



Outcrop Areas  
of Quartz



Barrenish Gp.  
Pebbles, small  
and attractive  
Quartz  
Feldspar, Biotite (M)  
Qz, Garnet,  
hornblende, etc.

JJ Claims  
John R. Kerr  
1:5000

Geological Plan  
(Outcrop Plan)  
Figure 6



2 10000

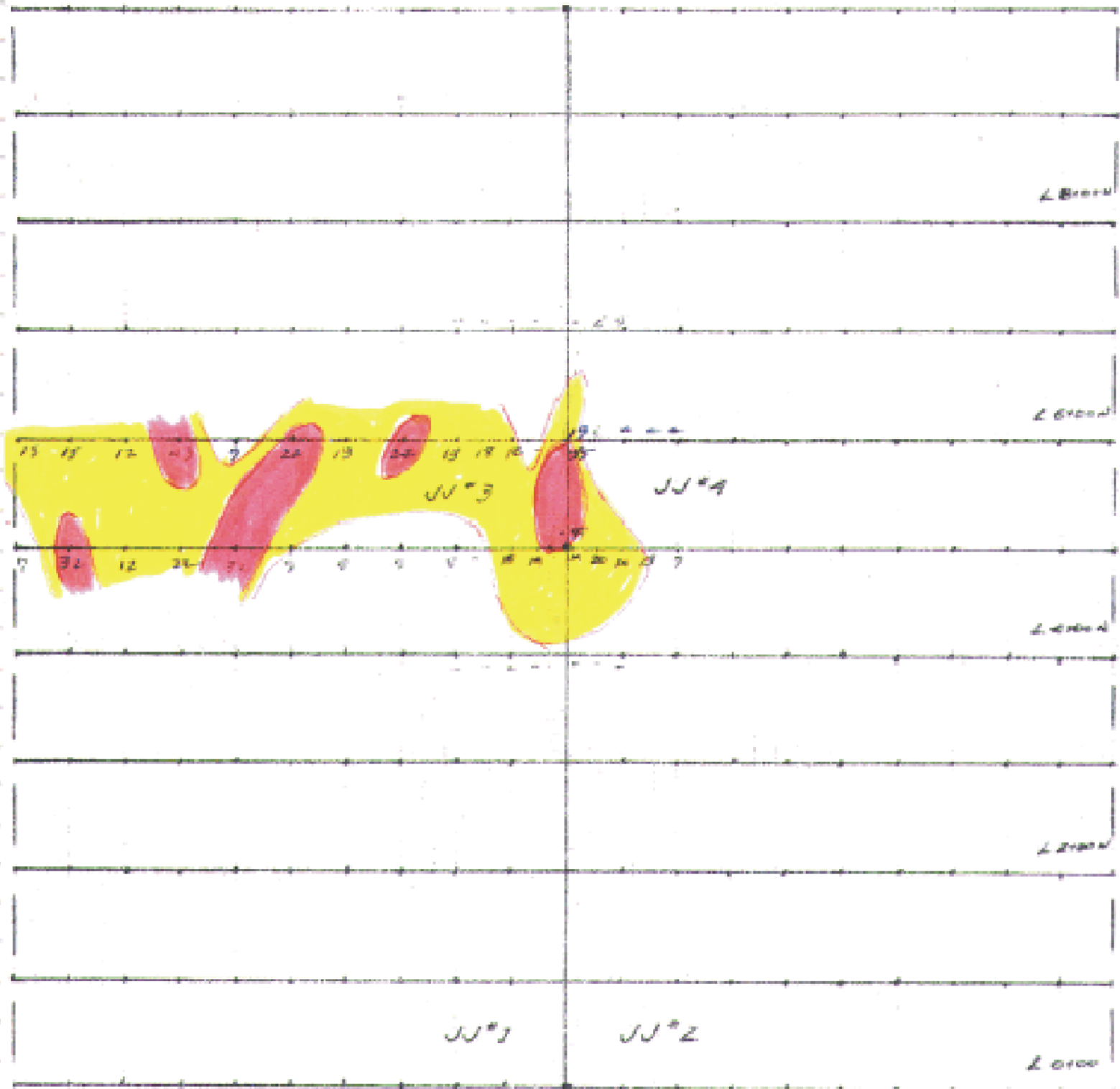
2 8000

2 6000

2 4000

2 2000

2 0100



JJ Claims  
John R. Kerr  
115000

Good in Soils



Post. Areas  
10 - 25 ppb

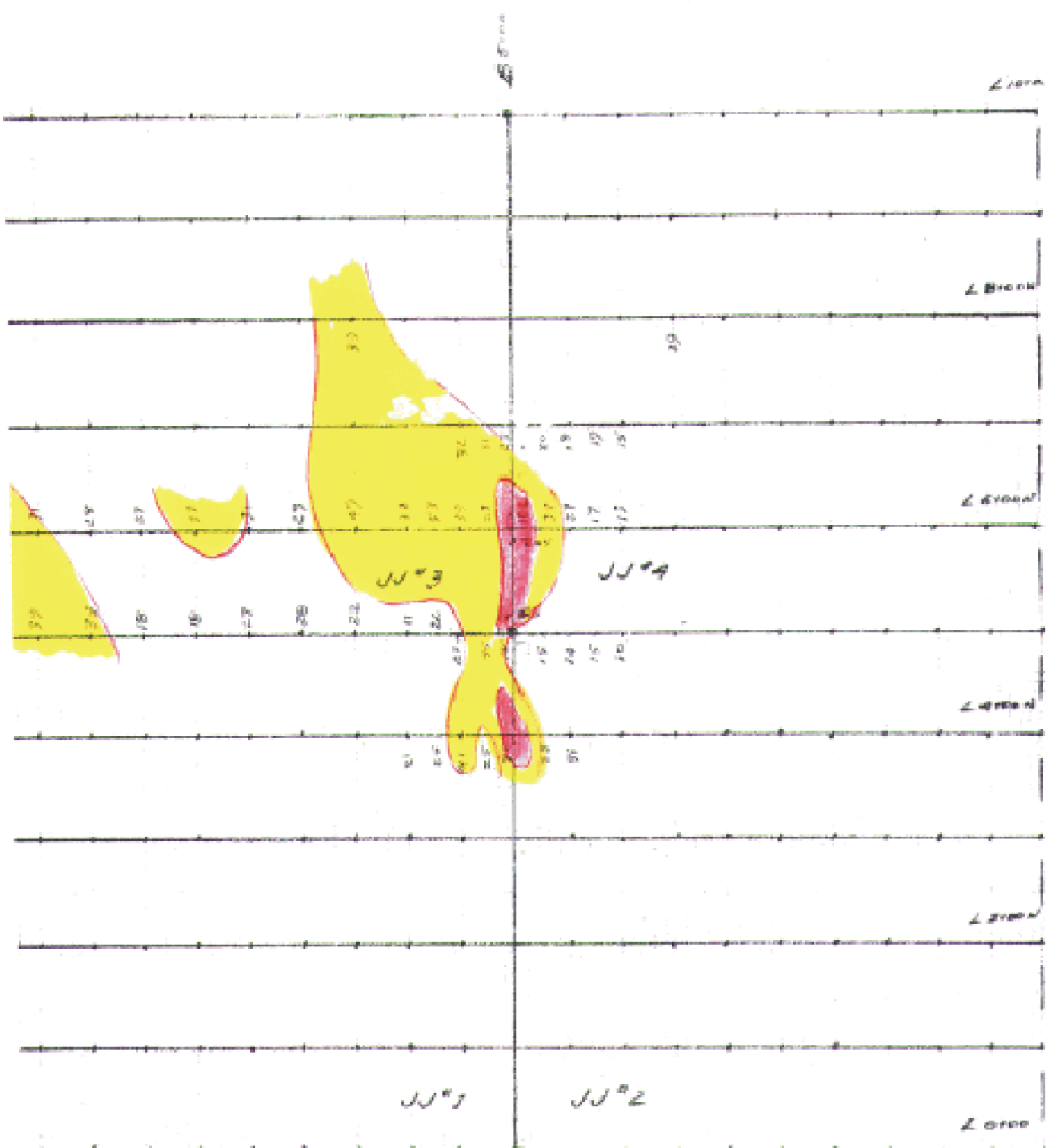


Def/Prob Areas  
50 ppb

Figure 7a.





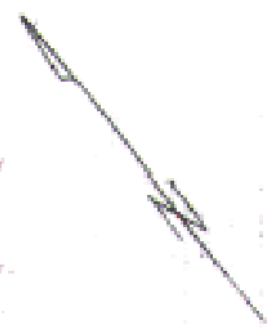


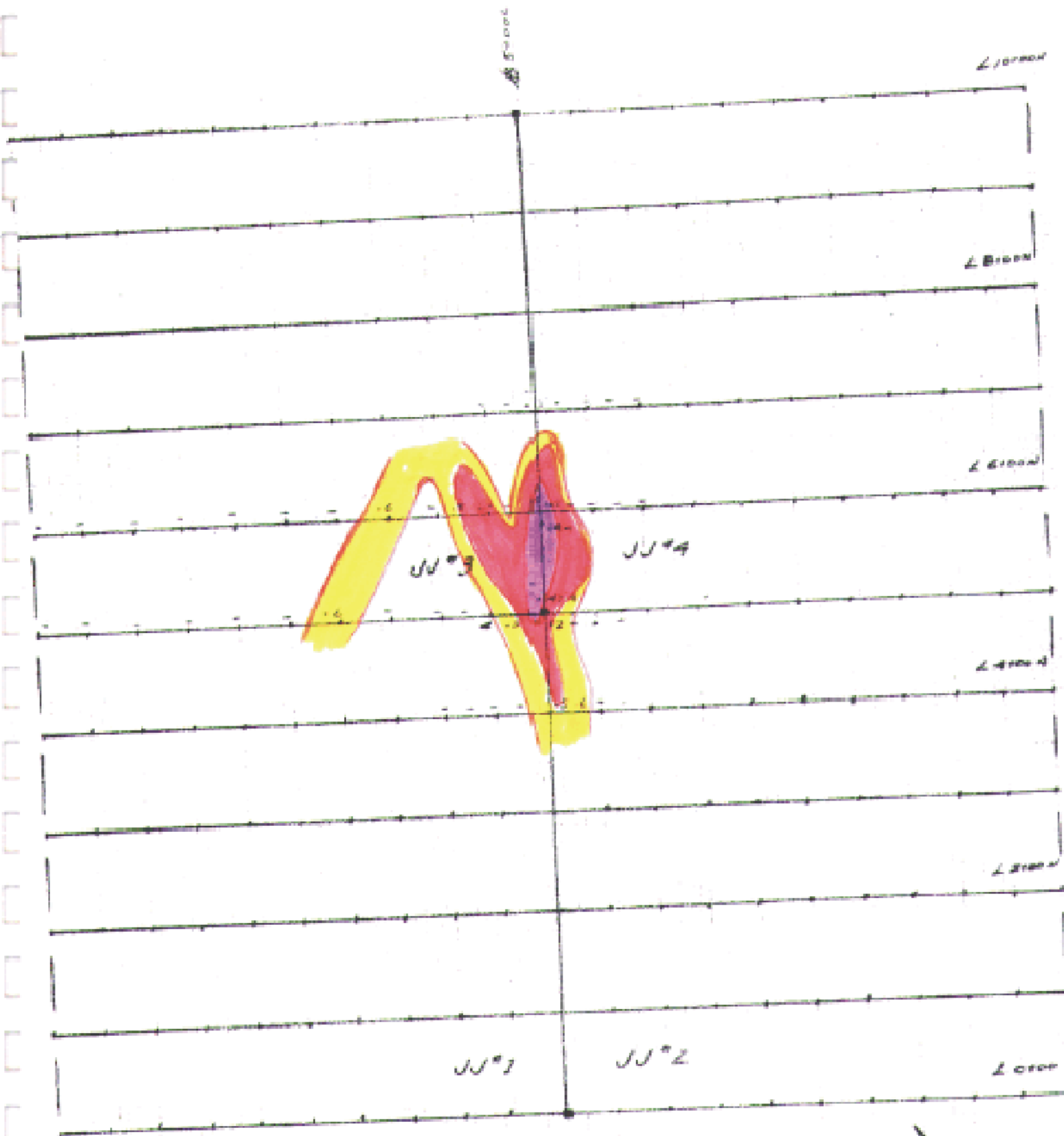


JJ Claims  
 John R. Kerr  
 115000

COPPER IN SOILS

-  Poss. Areas  
30-75ppm
  -  Prob. Areas  
>75ppm
- Figure 9b








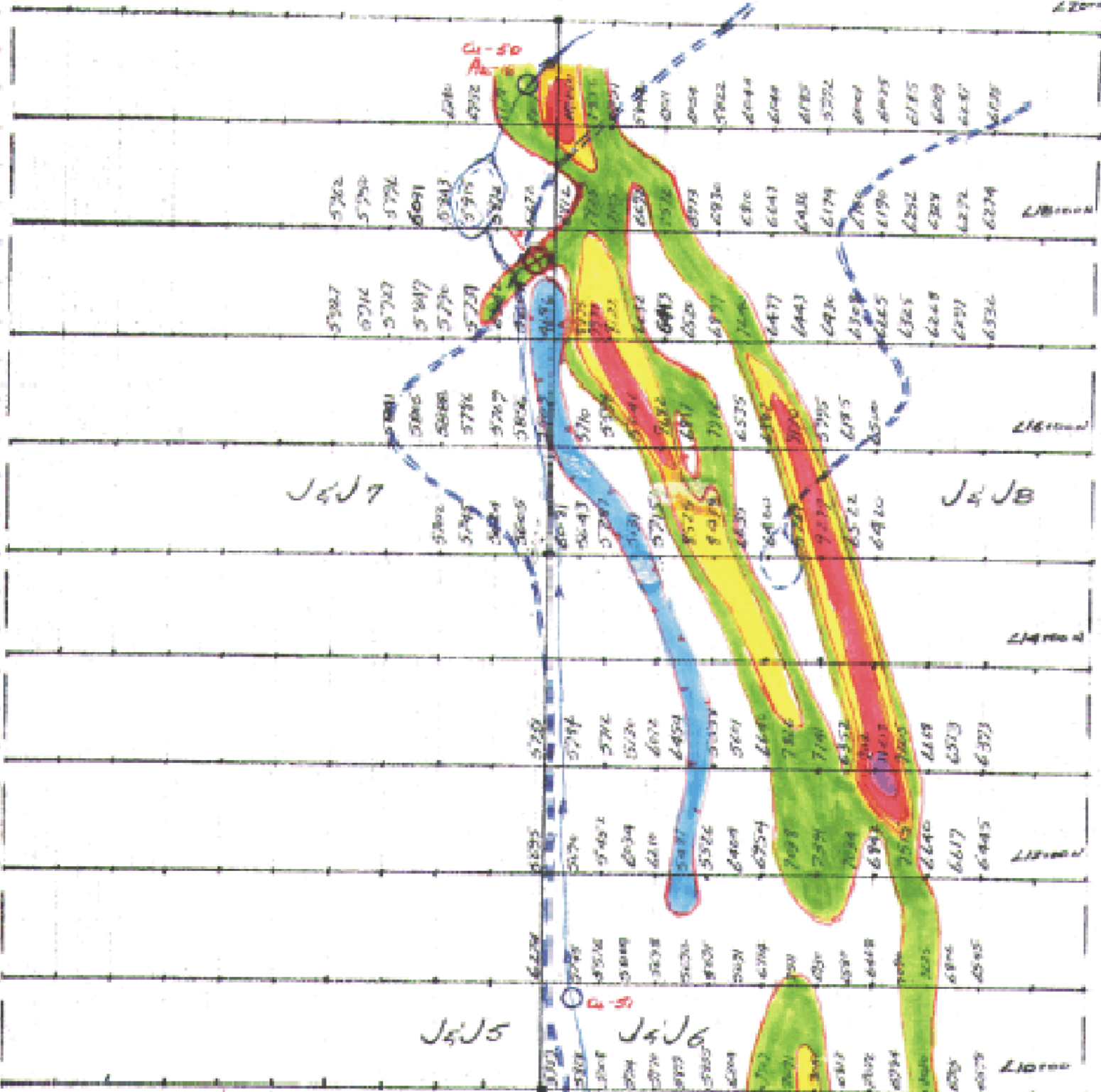
JJ Claims  
 John R. Kerr  
 1:5000

Figure 7c

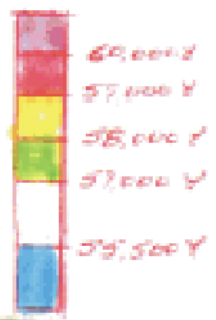
SILVER IN SOILS

-  Possibly Accumulates  
0.5-1.0 ppm
-  Definitely Accumulates  
1.0-10.0 ppm
-  Highly Accumulates  
>10.0 ppm





Total Magnetic Field  
Magnetic Thresholds



60,000 G  
57,000 G  
55,000 G  
53,000 G  
50,500 G

J&J Claims  
John R. Kerr  
115000

Magnetic Plan  
Figure B.

- ⊗ Old Test Pit  
Run by unlicensed home  
Dynamometer Pb, Zn, Ag, Cu
- 5.71 Sample Locations  
Planned for later
- 6000 Magnetic Edg. (has signs)
- Access Road



**APPENDIX A - COST STATEMENT**

## ROCK CREEK PROJECT

### Cost Statement:

Field Work Completed: August 8 - 15, 1999 and October 13 - 20, 1999  
Report Completed: September 8 - 13, 2000

Prospector: John R. Kerr, P. Eng.	16 days @ 100/day		\$ 1,600.00
Assistant: Jeannette Kerr	8 days @ 100/day		800.00
Room and Board:	24 man days @ 60/man/day		1,440.00
Vehicle Costs:	24 days @ 25/day	600.00	
	3500 km @ 0.15/km	<u>525.00</u>	
			1,125.00
Analytical Costs:	65 samples @ 14.50/sample	942.50	
	4 samples @ 9.00/sample	<u>36.00</u>	
			978.50
Equipment Rentals/ Supply Purchases			68.75
Report Preparation: John R. Kerr, P. Eng.	2 days @ 400/day	800.00	
	Reproduction	<u>30.00</u>	
			<u>830.00</u>
<b>Total</b>			<b>\$ 6,842.25</b>

**Prorated: JJ 1 - 5 Claims - \$ 4,105.00**

**J&J 1 - 8 Claims - \$ 2,737.25**

**APPENDIX B - GEOCHEMICAL DATA**



# Intertek Testing Services

## Bondar Clegg

# Geochemical Lab Report

REPORT: V99-00733.0 ( COMPLETE )

REFERENCE:

CLIENT: MR. JOHN KERR  
PROJECT: LOTTIE

SUBMITTED BY: J. KERR  
DATE RECEIVED: 13-JUL-99 DATE PRINTED: 3-AUG-99

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
990715	1 Au30 Gold	8	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
990715	2 Au Wt1 Test Weight	8	0.01 GM	FIRE ASSAY	FIRE ASSAY-AA
990715	3 Ag Silver	8	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	4 Cu Copper	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	5 Pb Lead	8	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	6 Zn Zinc	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	7 Mo Molybdenum	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	8 Ni Nickel	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	9 Co Cobalt	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	10 Cd Cadmium	8	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	11 Bi Bismuth	8	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	12 As Arsenic	8	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	13 Sb Antimony	8	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	14 Fe Iron	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	15 Mn Manganese	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	16 Te Tellurium	8	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	17 Ba Barium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	18 Cr Chromium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	19 V Vanadium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	20 Sn Tin	8	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	21 W Tungsten	8	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	22 La Lanthanum	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	23 Al Aluminum	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	24 Mg Magnesium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	25 Ca Calcium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	26 Na Sodium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	27 K Potassium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	28 Sr Strontium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	29 Y Yttrium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	30 Ga Gallium	8	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	31 Li Lithium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	32 Nb Niobium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	33 Sc Scandium	8	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	34 Ta Tantalum	8	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	35 Ti Titanium	8	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
990715	36 Zr Zirconium	8	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOIL	8	1 -80	8	DRY, SIEVE -80	8

REPORT COPIES TO: #1702 - 438 SEYMOUR ST.

INVOICE TO: #1702 - 438 SEYMOUR ST.

\*\*\*\*\*  
This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated  
\*\*\*\*\*



# Intertek Testing Services

## Bondar Clegg

# Geochemical Lab Report

CLIENT: MR. JOHN KERR

REPORT: V99-00733.0 ( COMPLETE )

DATE RECEIVED: 13-JUL-99

DATE PRINTED: 3-AUG-99 PAGE 1 OF 3

PROJECT: LOTTIE

SAMPLE NUMBER	ELEMENT	Au30	Au wt1	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
		UNITS	PPB	GM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
JJ5N 4+50E		18	30.16	<0.2	23	18	105	<1	14	9	0.4	<5	10	<5	2.14	985	<10	279	22	37	<20	<20	20	1.72	0.35	0.35	0.02	0.21	44	7	3	14	3	<5	<10	0.08	7
JJ5N 4+75E		14	30.98	0.5	35	21	147	<1	11	8	0.4	<5	14	<5	1.69	602	<10	127	17	31	<20	<20	13	1.67	0.27	0.36	0.03	0.06	33	9	<2	20	2	<5	<10	0.07	6
JJ5N 5+00E		14	30.70	0.2	18	16	111	<1	10	6	0.3	<5	7	<5	1.44	1159	<10	333	12	26	<20	<20	10	1.64	0.20	0.32	0.03	0.07	29	4	2	10	2	<5	<10	0.08	6
JJ5N 5+25E		20	30.63	<0.2	15	11	51	<1	7	4	<.2	<5	5	<5	0.99	591	<10	113	8	21	<20	<20	6	0.90	0.13	0.22	0.04	0.06	25	2	<2	7	2	<5	<10	0.05	4
JJ5N 5+50E		24	32.12	<0.2	14	15	72	<1	10	6	<.2	<5	6	<5	1.37	1294	<10	225	12	26	<20	<20	11	1.24	0.22	0.26	0.03	0.07	29	3	<2	10	2	<5	<10	0.06	5
JJ5N 5+75E		16	30.95	<0.2	15	8	65	<1	12	6	<.2	<5	6	<5	1.61	568	<10	201	18	31	<20	<20	16	1.41	0.26	0.24	0.02	0.09	31	4	2	15	2	<5	<10	0.07	8
JJ5+15N 4+95E		97	30.23	45.4	83	283	331	1	20	9	0.5	<5	141	<5	3.07	796	<10	162	24	46	<20	<20	26	1.94	0.38	0.23	0.02	0.07	31	10	3	13	4	5	<10	0.08	21
JJ5N 6+00E		7	30.55	<0.2	10	7	51	<1	9	5	<.2	<5	<5	<5	1.30	678	<10	242	14	25	<20	<20	15	1.12	0.21	0.29	0.02	0.09	43	3	<2	8	3	<5	<10	0.06	6





# Intertek Testing Services

## Bondar Clegg

# Geochemical Lab Report

CLIENT: MR. JOHN KERR

REPORT: V99-00921.0 ( COMPLETE )

DATE RECEIVED: 17-AUG-99

DATE PRINTED: 20-AUG-99

PAGE 1 OF 5

PROJECT: ROCK CREEK

SAMPLE NUMBER	ELEMENT Au30 UNITS	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	Li	Ga	La	Sc	Ta	Ti	Al	Mg	Ca	Na	K	Nb	Sr	Y	Zr
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM
JJ4N 4+00E	<5	<0.5	21	22	121	1	14	11	<1	<5	15	<5	2.61	1175	<25	986	23	48	<20	<20	27	<10	26	6	<5	0.32	7.04	0.60	1.67	2.25	1.71	12	356	12	87	
JJ4N 4+25E	<5	<0.5	25	28	120	<1	15	12	<1	<5	14	<5	2.80	956	<25	1048	28	53	<20	<20	27	<10	31	6	<5	0.34	7.29	0.63	1.75	2.28	1.78	15	391	13	90	
JJ4N 4+50E	<5	<0.5	41	24	149	1	20	14	<1	<5	14	<5	3.22	859	<25	976	34	61	<20	<20	36	<10	32	9	<5	0.37	7.67	0.80	1.75	2.23	1.68	12	365	18	107	
JJ4N 4+75E	<5	<0.5	25	20	110	1	15	12	<1	<5	17	10	2.78	1153	<25	1122	29	52	<20	<20	27	<10	32	6	<5	0.33	7.63	0.63	1.77	2.32	1.79	14	417	13	98	
JJ4N 5+00E	<5	0.9	82	29	81	2	23	14	<1	<5	7	8	3.76	708	<25	1199	40	74	<20	<20	26	<10	48	9	<5	0.42	8.73	0.86	1.57	2.25	1.86	19	479	22	121	
JJ4N 5+25E	<5	0.6	28	35	136	1	11	14	<1	<5	9	<5	3.13	2522	<25	842	21	53	<20	<20	29	<10	20	6	<5	0.32	7.46	0.60	1.99	2.48	1.51	10	324	11	82	
JJ4N 5+50E	<5	<0.5	31	22	80	1	20	14	<1	<5	9	<5	3.34	1151	<25	1313	35	65	<20	<20	26	<10	29	7	<5	0.37	7.78	0.87	1.58	2.18	1.64	15	363	13	89	
JJ5N 0+00E	7	<0.5	34	31	117	2	39	19	<1	<5	9	6	4.23	965	<25	1191	99	87	<20	<20	29	<10	52	8	<5	0.46	7.59	1.47	2.15	2.06	1.97	21	490	16	94	
JJ5N 0+50E	32	<0.5	39	31	121	1	18	17	1	<5	10	<5	4.13	2782	<25	780	40	74	<20	<20	28	<10	30	9	<5	0.42	7.44	0.98	2.50	2.07	1.43	13	314	20	85	
JJ5N 1+00E	12	<0.5	33	50	133	1	20	15	<1	<5	16	7	3.57	887	<25	1276	53	78	<20	<20	26	<10	53	8	<5	0.42	7.69	0.81	1.63	2.21	1.99	20	506	16	86	
JJ5N 1+50E	20	<0.5	18	20	87	1	12	9	<1	<5	12	7	2.34	955	<25	1020	21	41	<20	<20	25	<10	26	<5	<5	0.29	6.81	0.52	1.58	2.26	1.71	11	359	11	79	
JJ5N 2+00E	32	<0.5	18	21	86	1	10	9	<1	<5	12	5	2.23	1450	<25	1040	24	42	<20	<20	21	<10	25	<5	<5	0.28	6.32	0.48	1.52	2.03	1.52	11	379	9	67	
JJ5N 2+50E	9	<0.5	27	24	166	2	15	12	<1	<5	14	<5	2.90	1871	<25	1233	31	52	<20	<20	26	<10	35	6	<5	0.33	7.58	0.59	1.75	2.40	1.78	16	446	13	86	
JJ5N 3+00E	8	0.6	28	33	129	1	16	13	<1	<5	41	8	3.12	1585	<25	1095	34	59	<20	<20	28	<10	34	6	<5	0.35	7.83	0.65	2.00	2.32	1.76	15	453	13	85	
JJ5N 3+50E	8	<0.5	22	21	98	1	12	11	<1	<5	18	<5	2.72	900	<25	919	30	49	<20	<20	27	<10	30	6	<5	0.32	7.47	0.61	1.86	2.43	1.77	12	393	12	90	
JJ5N 4+00E	8	<0.5	11	15	87	2	5	8	<1	<5	9	<5	2.30	898	<25	554	7	32	<20	<20	27	<10	17	<5	<5	0.26	8.04	0.44	2.21	3.04	1.73	6	315	11	102	
JJ5N 4+25E	<5	<0.5	26	31	104	1	18	14	<1	<5	18	7	3.30	960	<25	1143	34	65	<20	<20	24	<10	40	8	<5	0.41	7.56	0.68	1.64	2.29	1.96	17	486	14	86	
JJ6N 0+00E	15	<0.5	33	23	104	2	18	14	<1	<5	10	7	3.36	1543	<25	941	64	63	<20	<20	30	<10	37	7	<5	0.35	7.46	0.88	1.93	2.23	1.59	14	372	14	86	
JJ6N 0+50E	15	<0.5	31	25	122	2	24	14	<1	<5	<5	9	3.53	1384	<25	1032	61	65	<20	<20	30	<10	44	7	<5	0.36	7.97	0.96	1.93	2.43	1.81	16	409	14	97	
JJ6N 1+00E	12	<0.5	28	22	92	2	18	14	<1	<5	10	6	3.30	1401	<25	1051	53	62	<20	<20	26	<10	35	6	<5	0.37	7.50	0.86	1.84	2.19	1.66	16	404	12	87	
JJ6N 1+50E	43	<0.5	27	23	108	1	14	11	<1	<5	12	7	2.70	1433	<25	1434	33	54	<20	<20	24	<10	39	6	<5	0.31	7.30	0.59	1.71	2.26	1.93	16	486	12	74	
JJ6N 2+00E	9	<0.5	37	39	120	1	19	16	<1	<5	12	<5	3.80	1911	<25	1318	41	79	<20	<20	26	<10	42	8	<5	0.45	7.88	0.81	1.70	2.16	1.81	18	456	15	82	
JJ6N 2+50E	26	<0.5	31	21	89	1	16	14	<1	<5	<5	7	3.48	1659	<25	1112	34	68	<20	<20	30	<10	43	7	<5	0.41	8.09	0.72	1.81	2.36	1.77	16	457	16	87	
JJ6N 3+00E	13	<0.5	23	19	82	1	11	11	1	<5	10	6	2.75	828	<25	1012	21	48	<20	<20	25	<10	34	5	<5	0.33	8.03	0.58	1.86	2.65	1.90	14	446	13	99	
JJ6N 3+50E	26	0.6	49	88	153	2	13	16	1	<5	13	7	4.14	3980	<25	912	22	73	<20	<20	34	<10	29	11	<5	0.41	7.63	0.92	2.08	2.20	1.35	12	319	27	88	
JJ6N 4+00E	13	<0.5	32	20	94	2	14	15	<1	<5	<5	11	3.74	2484	<25	928	32	71	<20	<20	29	<10	33	8	<5	0.42	8.42	0.75	2.04	2.48	1.66	14	363	18	92	
JJ6N 4+25E	18	0.8	53	22	121	3	23	19	<1	<5	13	6	4.16	2905	<25	903	37	78	<20	<20	31	<10	31	11	<5	0.47	8.43	0.87	2.10	2.30	1.63	14	323	24	95	
JJ6N 4+50E	12	1.5	39	58	188	2	31	19	<1	<5	12	7	4.15	1379	<25	856	47	73	<20	<20	31	<10	30	10	<5	0.50	8.38	0.95	1.94	2.19	1.81	15	325	20	99	
JJ6N 4+75E	<5	<0.5	27	40	162	2	12	12	<1	<5	15	<5	2.80	1371	<25	1002	22	48	<20	<20	29	<10	28	6	<5	0.35	7.30	0.61	1.88	2.55	1.82	12	348	16	104	
JJ6N 5+00E	19	14.8	102	144	227	1	25	16	<1	<5	36	6	4.68	1044	<25	770	29	78	<20	<20	32	<10	25	13	<5	0.38	8.30	0.72	1.72	2.09	1.48	11	297	26	126	



# Intertek Testing Services

## Bondar Clegg

# Geochemical Lab Report

CLIENT: MR. JOHN KERR

REPORT: V99-00921.0 ( COMPLETE )

DATE RECEIVED: 17-AUG-99

DATE PRINTED: 20-AUG-99

PAGE 2 OF 5

PROJECT: ROCK CREEK

SAMPLE NUMBER	ELEMENT Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Tot	Mn	Te	Ba	Cr	V	Sn	W	Li	Ga	La	Sc	Ta	Ti	Al	Mg	Ca	Na	K	Nb	Sr	Y	Zr	Au30	
																																					UNITS	PPB
JJ6N 5+25E		6	<0.5	37	26	171	2	16	13	<1	<5	7	<5	3.05	1159	<25	762	23	54	<20	<20	31	<10	19	7	<5	0.31	7.42	0.69	1.76	2.30	1.46	8	281	11	83		
JJ6N 5+50E		<5	<0.5	27	26	101	<1	18	13	<1	<5	8	5	3.09	666	<25	1068	31	57	<20	<20	40	<10	33	6	<5	0.37	8.24	0.69	1.68	2.33	1.90	14	463	13	98		
JJ6N 5+75E		<5	<0.5	17	22	92	1	11	10	<1	<5	8	<5	2.49	931	<25	892	21	43	<20	<20	29	<10	23	<5	<5	0.31	7.77	0.52	1.76	2.59	1.82	11	392	11	91		
JJ6N 6+00E		<5	<0.5	13	16	67	2	5	8	<1	<5	8	<5	2.22	769	<25	813	11	33	<20	<20	29	<10	21	<5	<5	0.26	7.80	0.44	1.83	2.88	1.77	9	361	11	101		
JJ7N 4+50E		<5	<0.5	32	22	84	2	14	13	<1	<5	12	<5	3.09	1382	<25	751	20	52	<20	<20	36	<10	24	8	<5	0.37	7.94	0.72	1.86	2.26	1.52	10	300	18	114		
JJ7N 4+75E		<5	<0.5	31	22	87	<1	13	13	<1	<5	12	6	3.11	1351	<25	817	18	56	<20	<20	30	<10	26	8	<5	0.37	7.66	0.71	1.76	2.27	1.59	11	314	18	107		
JJ7N 5+00E		<5	<0.5	23	18	104	1	11	10	<1	<5	12	<5	2.55	1131	<25	784	19	43	<20	<20	27	<10	22	<5	<5	0.32	7.52	0.54	1.66	2.54	1.56	9	297	12	107		
JJ7N 5+25E		6	<0.5	20	25	93	2	13	13	<1	<5	10	6	2.90	729	<25	883	25	55	<20	<20	33	<10	25	5	<5	0.35	7.57	0.63	1.64	2.52	1.76	15	373	10	82		
JJ7N 5+50E		<5	<0.5	18	18	83	<1	9	10	<1	<5	13	<5	2.55	906	<25	880	20	43	<20	<20	28	<10	23	5	<5	0.32	7.11	0.53	1.65	2.55	1.74	10	334	12	94		
JJ7N 5+75E		<5	<0.5	19	20	94	2	13	11	<1	<5	11	5	2.66	1033	<25	1061	25	50	<20	<20	25	<10	30	5	<5	0.33	7.43	0.56	1.80	2.44	1.84	15	429	12	91		
JJ7N 6+00E		5	<0.5	15	16	78	2	10	9	1	<5	9	<5	2.37	1004	<25	1097	23	43	<20	<20	24	<10	29	<5	<5	0.30	7.29	0.49	1.72	2.42	1.84	12	435	10	81		
JJ8N 6+50E		<5	<0.5	29	19	86	2	12	14	<1	<5	12	5	3.01	2400	<25	843	22	52	<20	<20	26	<10	29	6	<5	0.31	7.18	0.59	1.91	2.33	1.57	13	359	14	80		
JJ9N 3+00E		<5	<0.5	39	16	79	2	9	10	<1	<5	14	6	2.67	1057	<25	643	15	47	<20	<20	26	<10	21	6	<5	0.30	7.83	0.53	1.80	2.42	1.55	10	289	13	99		
JR13N 7+95E		30	<0.5	24	12	119	2	11	16	<1	<5	11	<5	3.72	1515	<25	707	19	55	<20	<20	31	<10	21	7	<5	0.50	7.78	0.89	2.42	2.53	1.47	13	331	14	90		
JR13N 8+10E		8	<0.5	10	15	63	2	13	12	<1	<5	7	5	3.14	952	<25	880	34	58	<20	<20	20	<10	31	6	<5	0.42	7.40	0.75	2.35	2.46	1.67	16	526	12	62		
JR15N 7+25E		12	<0.5	15	20	69	1	30	14	<1	<5	9	<5	3.27	611	<25	969	63	67	<20	<20	19	<10	42	7	<5	0.43	7.64	0.90	2.39	2.35	1.74	19	563	14	63		
JR15N 7+50E		6	<0.5	9	17	67	3	21	10	<1	<5	<5	<5	2.23	847	<25	942	54	50	<20	<20	17	<10	25	5	<5	0.31	6.58	0.66	2.16	2.81	1.87	16	484	11	66		
JR15N 7+75E		9	<0.5	12	16	66	1	36	13	<1	<5	6	8	2.77	555	<25	981	59	58	<20	<20	21	<10	36	6	<5	0.37	6.93	0.82	2.19	2.49	1.78	16	495	12	70		
JR16N 7+00E		6	<0.5	14	14	62	1	19	12	<1	<5	<5	<5	2.87	633	<25	904	50	58	<20	<20	21	<10	39	6	<5	0.35	7.36	0.74	2.16	2.37	1.66	15	496	14	74		
JR16N 7+25E		20	<0.5	9	18	70	<1	19	11	<1	<5	8	<5	2.60	802	<25	1034	40	53	<20	<20	19	<10	31	6	<5	0.34	7.46	0.71	2.31	2.43	1.77	17	560	12	62		
JR16N 7+50E		13	<0.5	14	16	71	2	20	11	<1	<5	<5	6	2.70	867	<25	981	42	52	<20	<20	20	<10	33	6	<5	0.35	7.23	0.73	2.19	2.26	1.66	15	477	12	64		
JR17N 5+00E		26	<0.5	14	20	114	2	13	14	<1	<5	7	6	3.19	1538	<25	716	28	59	<20	<20	31	<10	20	6	<5	0.41	7.94	0.74	2.38	2.67	1.56	12	376	11	78		
JR17N 5+25E		22	<0.5	16	22	90	2	12	15	<1	<5	10	<5	3.57	1153	<25	585	25	67	<20	<20	30	<10	19	7	<5	0.47	8.19	0.77	2.62	2.71	1.42	13	353	12	87		
JR17N 5+50E		33	<0.5	33	23	91	2	17	15	<1	<5	10	7	3.68	1047	<25	743	36	74	<20	<20	28	<10	24	7	<5	0.45	8.43	0.84	2.07	2.23	1.48	14	352	13	94		
JR17N 5+75E		18	<0.5	23	16	87	2	16	15	<1	<5	9	<5	3.63	1222	<25	762	28	65	<20	<20	27	<10	25	7	<5	0.45	8.23	0.87	2.16	2.44	1.52	14	357	13	85		

# ITS Intertek Testing Services

## Bondar Clegg

CLIENT: MR. JOHN KERR  
 REPORT: 999-01269.C ( COMPLETE )

PROJECT: NONE GIVEN  
 DATE RECEIVED: 25-OCT-99  
 DATE PRINTED: 27-OCT-99  
 PAGE 1A ( 1 / 3 )

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Se PPM
T1 R21A		14	0.3	81	13	78	1	105	9	0.2	<5	10	<5
S1 JJ2N 0+25E		6											
S1 JJ6N 3+75E		7											
S1 JJ6N 4+00E		3											
S1 JR13N 9+00E R		6											
S1 JR15N 7+50E R		7											
S1 JR16N 6+00E		15											
S1 JR16N 7+25E R		6											
S1 JR17N 5+50E R		11											
S1 JR19N 5+00E		10											
R2 JJ01		13	0.3	198	5	116	1	57	44	0.3	<5	<5	<5
R2 JJ02		58	1.3	497	44	243	5	37	41	1.7	<5	293	<5
R2 JJ03		42	0.5	138	28	221	6	35	28	1.6	<5	117	<5
R2 JJ6N 3+50E		8	<0.2	48	13	203	2	37	39	0.5	<5	<5	<5
R2 JJ6N 4+50E RK		<5	0.3	65	3	116	2	32	38	<0.2	<5	<5	<5
R2 JJ9N 3+00E RK		95	<0.2	110	3	142	2	55	52	0.3	<5	<5	<5
R2 JJ13N 8E RK		8	<0.2	55	<2	115	1	17	20	<0.2	<5	<5	<5

**APPENDIX C - MAGNETOMETER READINGS  
J&J Claims (L2 - 5N)**

**Magnetometer Readings: J&J Claims**  
 (These readings do not appear on any map)  
 All readings total field magnetics in gammas

<u>Easting</u>	<u>L 3+00N</u>	<u>L4+00N</u>	<u>L5+00N</u>	<u>L6+00N</u>
0+00	58655	56931	58221	56178
+25	60319	57378	58460	56281
+50	58226	58331	58739	56457
+75	56816	57941	59329	57037
1+00E	57212	59053	59770	58021
+25	58198	58082	59589	58169
+50	57972	58415	58331	58164
+75	57666	58027	56523	58868
2+00E	58275	57409	55950	57147
+25	57017	57636	57460	57951
+50	57156	58615	56989	56889
+75	57382	55019	57781	57562
3+00E	57625	57578	59758	57545
+25	58086	57727	57870	56899
+50	58037	58573	57730	58421
+75	57396	58947	58561	58065
4+00E	57210	58702	58636	57253
+25	56943	59004	57904	57751
+50	56810	58683	58623	57964
+75	56563	57631	58073	58505
5+00E	56504	56999	57114	56695


**APPENDIX D - WRITER'S CERTIFICATE**

### Writer's Certificate

I, John R. Kerr, of #1702 - 438 Seymour Street in the City of Vancouver, B.C., hereby certify that:

- 1) I am a member of the Association of Professional Engineers of British Columbia (membership #6858).
- 2) I am a graduate of the University of British Columbia (1964) with a BAsC degree in Geological Engineering. I have practised my profession continuously since graduation.
- 3) I collected all data discussed and am the author of this report, and verify the costs as reported to be true. The program was sponsored by the Prospector's Assistance Program - 1999, and was completed under the regulations of this sponsorship.
- 4) I own a 100% interest in the JJ 1 - 5 mineral claims and the J&J 1 - 8 mineral claims as discussed in this report.

Dated the <sup>13</sup>20th day of September, 2000



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John R. Kerr, P. Eng